

the supplementary spare area assignment exists, the location information of the supplementary spare area recorded in the DMA is reset (step 603). To reset the location information of the supplementary spare area, any one of a variety of methods may be utilized. In one example, all the location information values of the supplementary spare area may be converted to the lowest value (for example, 00h) or the highest value (for example, FFh). In another example, the location information may be converted into a specific code value according to a predetermined agreement. That is, the location information value may be converted to a predetermined value which would allow the file system to recognize that the location information of the supplementary spare area has been reset when the file system receives the DMA information from the driver.--

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